



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/829,431

04/22/2004

Ching Man Tsui

033539-021

8776

21839

7590

04/01/2008

BUCHANAN, INGERSOLL & ROONEY PC
POST OFFICE BOX 1404
ALEXANDRIA, VA 22313-1404

EXAMINER

NGUYEN, VINH P

ART UNIT

PAPER NUMBER

2829

NOTIFICATION DATE

DELIVERY MODE

04/01/2008

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

ADIPFDD@bipc.com

Office Action Summary	Application No. 10/829,431	Applicant(s) TSUI ET AL.	
	Examiner VINH P. NGUYEN	Art Unit 2829	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 December 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,2,11,14 and 15 is/are rejected.
- 7) ☒ Claim(s) 3,4-10,12-13 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

Art Unit: 2829

1. The appeal brief filed on 12/26/07 has been considered and a new office action is hereby provided as follows

2. Claims 1-15 are objected to because of the following informalities:

In claim 1, it is unclear how the apparatus of claim 1 is used in testing and how this device is interrelated to a testing apparatus, therefore the limitation of “during a testing operation” and elements associated with “during a testing operation” is not given patentable weight since they are considered as “an intended use purpose”.

In claim 1 and 13, it is unclear how the main body is interrelated and associated with the leadframe support.

In claim 10, it is unclear what "an electrical grounding" comprises of. Is it shown in any of drawings?

In claim 12, it is unclear what "an identification means" comprises of. Is it shown in any of drawings?

In claim 13, it is unclear what "means for coupling said main body with a transport mechanism" comprises of. Is it shown in any of drawings?

The dependent claims not specifically address share the same indefiniteness as they depend from objected base claims. Appropriate correction is required.

Appropriate correction is required.

3. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the features of an identification means" as recited in claim 12 and the feature of “means for coupling said main body with a

transport mechanism" as recited in claim 13 must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 1 and 14-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Davis, Jr. (Pat # 3,961,415).

For the purpose of examination, the limitations of “during a testing operation, a leadframe formed with at least one row of non singulated semiconductor devices” and “such that ,during the testing operation, leads extending from said devices rest upon a surface of support member” are considered as intended uses, therefore these limitations are not given any patentable weights.

As to claim 1, Davis, Jr. discloses a carrier for mounting a semiconductor chip as shown in figure 1 having a lead frame support (10) formed with at least one groove (12) for receiving the semiconductor devices. Davis, Jr. does not show a main body. However, it appears that the support (10) has to be disposed on another surface of another support and that particular support would have been considered as a main body.

As to claims 14-15, the groove (12) of Davis, Jr. is large enough for receiving a plurality of semiconductor devices.

6. Claims 1-2 and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Patadia et al (Pat # 6,170,676).

For the purpose of examination, the limitations of “during a testing operation, a leadframe formed with at least one row of non singulated semiconductor devices” and “such that ,during the testing operation, leads extending from said devices rest upon a surface of support

member” are considered as intended uses, therefore these limitations are not given any patentable weights.

As to claim 1, Patadia et al disclose a foldable dish drainer (15) having a support member (16) with at least one groove (31,32,33,34). Patadia et al do not disclose a main body. However, It appears that the disk drainer (15) is positioned on a surface of a sink , therefore it would have been obvious for one of ordinary skill in the art to consider that the surface of the sink is a main body for supporting the drainer (15) when it is in use.

As to claim 2, the support member (16) is formed with a plurality of parallel grooves (31,32,33,34).

As to claim 11, the base (15) of Patadia et al is made of plastic which is considered as a high resistivity electrically insulating material.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to VINH P. NGUYEN whose telephone number is 571-272-1964. The examiner can normally be reached on 6:30AM-4:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, HA T. NGUYEN can be reached on 571-272-1678. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/VINH P NGUYEN/
Primary Examiner
Art Unit 2829